

Form PTO-1449
(REV. 7-80)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
SUL-402D1SERIAL NO.
09/415,966INFORMATION DISCLOSURE STATEMENT
(Use several sheets if necessary)

APPLICANT(S): Steven A. Benner

FILING DATE
October 12, 1999GROUP
~~1643~~ 1655

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
LBA	AA	4 6 8 3 2 0 2	7/28/87	Mullis <i>et al.</i>	435	91.2	
	AB	5 2 7 0 1 6 3	12/14/93	Gold <i>et al.</i>	435	6	
	AC	5 4 7 6 7 6 6	12/19/95	Gold <i>et al.</i>	435	6	
	AD	5 4 7 2 8 4 1	12/5/95	Jayasena <i>et al.</i>	435	6	
	AE						
	AF						
	AG						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
	AH						
	AI						
	AJ						
	AK						
	AL						

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

LBA	AM	Piccirilli <i>et al.</i> (1990) <i>Nature</i> 343:33-37.
	AN	Szoscak (1992) <i>Trends in Biochem</i> 17:89-93.
	AO	Switzer <i>et al.</i> (1993) <i>Biochem.</i> 32:10489-10496
	AP	Gibson, K.J. <i>et al.</i> (1987) <i>Nucleic Acids Res.</i> 15(16):6455-6467.
	AQ	Cruikshank, K.A. <i>et al.</i> (1988) <i>Tetrahedron Lett.</i> 29(41):5221-5224.
	AR	Voegel, J.J. <i>et al.</i> (1996) <i>Helvetica Chimica Acta</i> 79:1863-1880.
	AS	Voegel, J.J. <i>et al.</i> (1996) <i>Helvetica Chimica Acta</i> 79:1881-1893.
	AT	Irvine, D. <i>et al.</i> (1991) <i>J. Mol. Biol.</i> 222:739-761.
	AU	Zimmer C. (1975) <i>Prog. Nucl. Acid Res. Mol. Biol.</i> 15:285-318.

EXAMINER

Lisa B. Cuthbert

DATE CONSIDERED

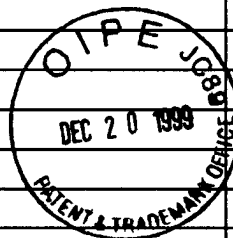
3/26/01

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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	AH							
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	AK							
	AL							

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

13A	AM	Stirchak, E.P. (1989) <i>Nucl. Acids Res.</i> 17(15):6129-6141.
	AN	Folsom, V. et al. (1989) <i>Analytical Biochem.</i> 182:309-314.
	AO	Benner, S.A. et al. (1988) <i>CRC Critical Reviews in Biochem.</i> 23(4):369-426.
	AP	Chen, H. et al. (1994) <i>Biochemistry</i> 33:8746-8756.
	AQ	Ekland, E.H. et al. (1996) <i>Nature</i> 382:373-376.
	AR	Voegel, J.J. et al. (1994) <i>J. Am. Chem. Soc.</i> 116:6929-6930.
	AS	Voegel, J.J. et al. (1993) <i>Helvetica Chimica Acta</i> 76:2061-2069.
	AT	Khym, J.X. (1963) <i>Biochemistry</i> 2(2):344-350.
	AU	Crisp, G.T. (1993) <i>J. Org. Chem.</i> 58:6614-6619.

EXAMINER <i>Loa B. C.</i>	DATE CONSIDERED 3/26/01
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							YES	NO
	AH							
	AI							
	AJ							
	AK							
	AL							

OTHER PRIOR ART *(Including Author, Title, Date, Pertinent Pages, Etc.)*

16A	AM	Ludwig, J. <i>et al.</i> (1989) <i>J. Org. Chem.</i> 54:631-635.
	AN	Casalnuovo, A.L. <i>et al.</i> (1990) <i>J. Am. Chem. Soc.</i> 112:4324-4330.
	AO	Hobbs, F.W., Jr. (1989) <i>J. Org. Chem.</i> 54:3420-3422.
	AP	Robbins, M.J. <i>et al.</i> (1983) <i>J. Org. Chem.</i> 48:1854-1862.
	AQ	Robbins, M.J. <i>et al.</i> (1990) <i>Tetrahedron Lett.</i> 31(26):3731-3734.
	AR	Haralambidis, J. <i>et al.</i> (1987) <i>Nucl. Acids. Res.</i> 15(12):4857-4877.
	AS	Brown <i>et al.</i> (1965) <i>J. Chem. Soc.</i> pp. 5072-5074 [there is no volume number used for this journal].
	AT	
	AU	

EXAMINER	<i>[Signature]</i>	DATE CONSIDERED	3/26/01
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